

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

RECORD OF WELL

*P727 P642*

Hole no. 11
State <del>804</del> + 83
27.3 E
Checked 6-13-07
Water Power 15' per
15 x 4.95, 3.2 E

1. Location: State *NY* County *Putnam*  
Nearest P. O. *Cold Spring* Direction from P. O. *NE*  
Distance from P. O. *1* miles; *1/4* sec. *T.* *R.*

If in city, give street and number *Town of Chubbison*

2. Owner: *Catchkill Aqueduct* Address *Board of Water Supply*  
Driller: *120 Wall St., N.Y. City* Address *"*

3. Situation: Is well on upland, in valley, or on hillside? *valley*

4. Elevation of top of well: *192.6* ft. *above* the level of *sea*  
(Above or below) (Sea, depot, lake, or stream)

5. Type of well: *dug*; kind of drilling rig used *shot drill*  
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: *197.9* ft.; year in which well was finished *April 11, 1907*  
Does well enter rock? *yes*; if so, at what depth? *10.3* ft.; kind of rock *gneiss*

7. Diameter: At top *4"* inches; at bottom *3 3/4"* inches.

8. Principal water bed: *Grd*  
(Gravel, sand, clay, or rock. If rock, state kind)  
Depth to principal water bed *10.3* ft.; thickness of bed *10.3* ft.

If other water supplies were found, give depth to each

9. Casings: Kind *yes*; size *4"*; length *10.3* ft.; between depths of *0* and *10.3* ft.  
Kind *"*; size *"*; length *"* ft.; between depths of *"* and *"* ft.  
Kind *"*; size *"*; length *"* ft.; between depths of *"* and *"* ft.

Packers (if any): Depth at which packers were used *"*; kind *"*

Screen or Strainer: Was well finished with screen? *"*; kind of screen *"*  
length of screen *"* ft.; diameter *"* inches; size of openings *"*

10. Head: Does well at present overflow without pumping? *no*; did it overflow when new? *no*  
if flowing, give pressure *"* lb. per sq. inch; or height water will rise in a pipe *"* ft. above surface;  
original pressure or head *"*; if not flowing, give water level in well *"* ft. below surface.

11. Pump: Is the well pumped? *no*; kind of pump *"*  
size or capacity of pump *"*; kind of power *"*

12. Yield: Natural flow at present (if any) *"* gallons per minute; original flow *"* gallons per minute;  
well has been pumped at *"* gallons per minute continuously for *"* hours;  
quantity of water ordinarily obtained from well *none* gallons per day.

13. Use: For what purpose *was well test hole* is the water used? *test hole*

14. Quality of the water: *"*; is there an analysis? *"*  
(Hard or soft, fresh or salty, etc.)

15. Cost of well, not including pump: *1236.87* Temperature of water *"* ° F.  
*6.25 per foot*  
Name of person filling blank *J. G. S. at Albany*

Date *Oct. 26, 1950* Address *"*



# LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Gravel	0	6.9	6.9	
Gravel and boulders	6.9	10.3	3.4	
Gneiss Large % quartz	10.3	28.1	17.8	
" Occasional seams	28.1	41.5	13.4	
" Quartz veins	41.5	75.2	33.7	Core much broken
" Large percent quartz	75.2	88	12.8	
" Large percent quartz	88	99.1	11.1	
"	99.1	125.9	26.8	
" Large percent of hornblende	125.9	128.8	2.9	several seams
"	128.8	191.4	62.6	
" More hornblende & large percent quartz	191.4	197.9	6.5	

Percent core recovery 74.5% elapsed time 29 days

PERFORATION

PRESSURE  
IN LBS. PER  
SQUARE IN.

TESTS

Working time 49 1/2 - 10 hr. shift

June 12, 1907 not certain whether this is actual date of test or date of report.

DEPTH IN FEET	LENGTH OF TEST IN MIN. AND SECONDS	LENGTH OF TEST IN MIN. AND SECONDS	LOSS IN FALLS PER MINUTE
50	50	4'-55"	1.02
	35	7'-35"	.66
	25	12'-0"	.42
76	50	4'-30"	1.11
	35	4'-20"	.69
	25	11'-30"	.44
106	80	9'-50"	.61
	50	6'-00"	.33
	25	9'-30"	.13
120	100	11'-30"	1.09
	80	12'-00"	.06
	50	6'-00"	.04
134	140	20'-00"	.08
	100	12'-00"	.05
	50	22'-00"	.12